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L6 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 1992:169270 HCAPLUS
DOCUMENT NUMBER: 116:169270
TITLE: Fluorimetric detection of a *Bacillus*
stearothermophilus spore-bound enzyme,
 α -D-glucosidase, for rapid indication
of flash sterilization failure.
AUTHOR(S): Vesley, Donald; Langholz, Ann C.; Rohlfing, Stephen
R.; Foltz, William E.
CORPORATE SOURCE: Sch. Public Health, Univ. Minnesota, Minneapolis, MN,
55455, USA
SOURCE: Applied and Environmental Microbiology (1992), 58(2),
717-19
CODEN: AEMIDF; ISSN: 0099-2240
DOCUMENT TYPE: Journal
LANGUAGE: English

AB A biol. indicator based on fluorometric detection within 60 min
of a *B. stearothermophilus* spore-bound enzyme, α -D-glucosidase, has
been developed. Results indicate that the enzyme survived
slightly longer than spores observed after 24 h of incubation. The new
system shows promise for evaluating flash sterilization cycles within 60
min compared with conventional 24-h systems.

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CC 9-2 (Biochemical Methods)
Section cross-reference(s): 7, 10
ST fluorometry *Bacillus* glucosidase; flash sterilization failure *Bacillus*
glucosidase
IT Sterilization and Disinfection
(flash, failure of, fluorometric detection of *Bacillus*
stearothermophilus glucosidase for indication of)
IT *Bacillus* stearothermophilus
(glucosidase of, fluorometric detection of, for indication of
flash sterilization failure)
IT 9001-42-7, α -D-Glucosidase
RL: PROC (Process)
(of *Bacillus* stearothermophilus, fluorometric detection of, for
indication of flash sterilization failure)

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